

Title (en)

MOTOR WITH BUILT-IN POWER CONVERSION DEVICE, AIR CONDITIONER WITH SAME MOTOR BUILT-IN, WATER HEATER, AND VENTILATION BLOWER EQUIPMENT

Title (de)

MOTOR MIT EINGEBAUTER STROMUMWANDLUNGSVORRICHTUNG, KLIMAAANLAGE MIT DIESEM MOTOR, WASSERERHITZER UND BELÜFTUNGSGEBLÄSEVORRICHTUNG

Title (fr)

MOTEUR ÉQUIPÉ D'UN DISPOSITIF DE CONVERSION D'ÉNERGIE INTÉGRÉ, CLIMATISEUR ÉQUIPÉ DU MÊME MOTEUR INTÉGRÉ, CHAUFFE-EAU ET ÉQUIPEMENT À SOUFFLERIE DE VENTILATION

Publication

EP 2793369 B1 20170719 (EN)

Application

EP 11877226 A 20111213

Priority

JP 2011078808 W 20111213

Abstract (en)

[origin: EP2793369A1] A motor 61 incorporating a power converter 60 that includes a printed board 1 on which an inverter IC 2, which converts a voltage of an external power supply into a high-frequency voltage and supplies the high-frequency voltage to a stator 3, is mounted, wherein on a surface of the printed board 1 opposed to the stator 3, a high-voltage direct-current input wire 104, which is a copper foil provided on a surface on a stator side, is disposed. One end of the high-voltage direct-current input wire 104 is electrically connected to a high-voltage input line 17 of the external power supply and the other end of the high-voltage direct-current input wire 104 is electrically connected to a high-voltage electrode 11 of the inverter IC 2.

IPC 8 full level

H02K 5/04 (2006.01)

CPC (source: EP US)

H02K 5/04 (2013.01 - EP US); **H02K 5/08** (2013.01 - EP US); **H02K 11/0094** (2013.01 - US); **H02K 11/215** (2016.01 - EP US); **H02K 11/33** (2016.01 - EP US); **F24F 11/85** (2017.12 - EP US); **H01L 2224/48091** (2013.01 - EP US); **H01L 2224/48247** (2013.01 - EP US); **H01L 2924/13055** (2013.01 - EP US); **H01L 2924/181** (2013.01 - EP US); **H02K 15/12** (2013.01 - EP US); **H02M 7/003** (2013.01 - EP US); **H02P 27/06** (2013.01 - EP US)

C-Set (source: EP US)

1. **H01L 2924/181** + **H01L 2924/00012**
2. **H01L 2224/48091** + **H01L 2924/00014**
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